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NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 JAN 08 CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS 3 JAN 16 CA/CAPLUS Company Name Thesaurus enhanced and reloaded
NEWS 4 JAN 16 IPC version 2007.01 thesaurus available on STN
NEWS 5 JAN 16 WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS 6 JAN 22 CA/CAPLUS updated with revised CAS roles
NEWS 7 JAN 22 CA/CAPLUS enhanced with patent applications from India
NEWS 8 JAN 29 PHAR reloaded with new search and display fields
NEWS 9 JAN 29 CAS Registry Number crossover limit increased to 300,000 in
multiple databases
NEWS 10 FEB 15 PATDPASPC enhanced with Drug Approval numbers
NEWS 11 FEB 15 RUSSIAPAT enhanced with pre-1994 records
NEWS 12 FEB 23 KOREAPAT enhanced with IPC 8 features and functionality
NEWS 13 FEB 26 MEDLINE reloaded with enhancements
NEWS 14 FEB 26 EMBASE enhanced with Clinical Trial Number field
NEWS 15 FEB 26 TOXCENTER enhanced with reloaded MEDLINE
NEWS 16 FEB 26 IFICDB/IFIPAT/IFIUDB reloaded with enhancements
NEWS 17 FEB 26 CAS Registry Number crossover limit increased from 10,000
to 300,000 in multiple databases
NEWS 18 MAR 15 WPIDS/WPIX enhanced with new FRAGHITSTR display format
NEWS 19 MAR 16 CASREACT coverage extended
NEWS 20 MAR 20 MARPAT now updated daily
NEWS 21 MAR 22 LWPI reloaded
NEWS 22 MAR 30 RDISCLOSURE reloaded with enhancements
NEWS 23 MAR 30 INPADOCDB will replace INPADOC on STN
NEWS 24 APR 02 JICST-EPLUS removed from database clusters and STN
NEWS 25 APR 30 GENBANK reloaded and enhanced with Genome Project ID field
NEWS 26 APR 30 CHEMCATS enhanced with 1.2 million new records
NEWS 27 APR 30 CA/CAPLUS enhanced with 1870-1889 U.S. patent records
NEWS 28 APR 30 INPADOC replaced by INPADOCDB on STN

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

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NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 19:51:29 ON 30 APR 2007

=> File CAPLUS

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SESSION

FULL ESTIMATED COST

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FILE 'CAPLUS' ENTERED AT 19:52:03 ON 30 APR 2007

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FILE COVERS 1907 - 30 Apr 2007 VOL 146 ISS 19

FILE LAST UPDATED: 29 Apr 2007 (20070429/ED)

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=> s ((unnatural amino acid) or (non-cognat or (non naturally occurring) UNMATCHED LEFT PARENTHESIS 'OR (NON-COGNAT'

The number of right parentheses in a query must be equal to the number of left parentheses.

=> s ((unnatural amino acid) or (non-cognat or (non naturally occurring)) UNMATCHED LEFT PARENTHESIS '((UNNATURAL'

The number of right parentheses in a query must be equal to the number of left parentheses.

=> s ((unnatural amino acid) or (non-cognat) or (non naturally occurring))

5122 UNNATURAL

1 UNNATURALS

5122 UNNATURAL

(UNNATURAL OR UNNATURALS).

1115684 AMINO

44 AMINOS

1115702 AMINO

(AMINO OR AMINOS)

4361955 ACID

1571669 ACIDS

4859526 ACID

(ACID OR ACIDS)

1086 UNNATURAL AMINO ACID

(UNNATURAL(W)AMINO(W)ACID)

870615 NON

34 NONS

870642 NON

(NON OR NONS)

```

      1 COGNAT
      0 NON-COGNAT
        (NON (W) COGNAT)
870615 NON
      34 NONS
870642 NON
        (NON OR NONS)
      84066 NATURALLY
205436 OCCURRING
      261 NON NATURALLY OCCURRING
        (NON (W) NATURALLY (W) OCCURRING)
L1      1346 ((UNNATURAL AMINO ACID) OR (NON-COGNAT) OR (NON NATURALLY OCCURR
        ING))

```

```

=> s L1 AND protein
      1999257 PROTEIN
      1398243 PROTEINS
      2327009 PROTEIN
        (PROTEIN OR PROTEINS)
L2      617 L1 AND PROTEIN

```

```

=> s L2 and modification
      296322 MODIFICATION
      119432 MODIFICATIONS
      395713 MODIFICATION
        (MODIFICATION OR MODIFICATIONS)
L3      80 L2 AND MODIFICATION

```

```

=> s L3 AND eukaryot?
      66523 .EUKARYOT?
L4      4 L3 AND EUKARYOT?

```

```

=> s L3 AND eukaryotic
      47586 EUKARYOTIC
      15 EUKARYOTICS
      47595 EUKARYOTIC
        (EUKARYOTIC OR EUKARYOTICS)
L5      4 L3 AND EUKARYOTIC

```

```

=> s L2 and modification
      296322 MODIFICATION
      119432 MODIFICATIONS
      395713 MODIFICATION
        (MODIFICATION OR MODIFICATIONS)
L6      80 L2 AND MODIFICATION

```

```

=> dup rem L6
PROCESSING COMPLETED FOR L6
L7      80 DUP REM L6 (0 DUPLICATES REMOVED)

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=> d 1-10 ti,so,ibi, abs L7
'IBI' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

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The following are valid formats:

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ABS ----- GI and AB
ALL ----- BIB, AB, IND, RE
APPS ----- AI, PRAI
BIB ----- AN, plus Bibliographic Data and PI table (default)
CAN ----- List of CA abstract numbers without answer numbers
CBIB ----- AN, plus Compressed Bibliographic Data
CLASS ----- IPC, NCL, ECLA, FTERM
DALL ----- ALL, delimited (end of each field identified)

```

DMAX ----- MAX, delimited for post-processing
 FAM ----- AN, PI and PRAI in table, plus Patent Family data
 FBIB ----- AN, BIB, plus Patent FAM
 IND ----- Indexing data
 IPC ----- International Patent Classifications
 MAX ----- ALL, plus Patent FAM, RE
 PATS ----- PI, SO
 SAM ----- CC, SX, TI, ST, IT
 SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;
 SCAN must be entered on the same line as the DISPLAY,
 e.g., D SCAN or DISPLAY SCAN)
 STD ----- BIB, CLASS

 IABS ----- ABS, indented with text labels
 IALL ----- ALL, indented with text labels
 IBIB ----- BIB, indented with text labels
 IMAX ----- MAX, indented with text labels
 ISTD ----- STD, indented with text labels

 OBIB ----- AN, plus Bibliographic Data (original)
 OIBIB ----- OBIB, indented with text labels

 SBIB ----- BIB, no citations
 SIBIB ----- IBIB, no citations

 HIT ----- Fields containing hit terms
 HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)
 containing hit terms
 HITRN ----- HIT RN and its text modification
 HITSTR ----- HIT RN, its text modification, its CA index name, and
 its structure diagram
 HITSEQ ----- HIT RN, its text modification, its CA index name, its
 structure diagram, plus NTE and SEQ fields
 FHITSTR ----- First HIT RN, its text modification, its CA index name, and
 its structure diagram
 FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
 structure diagram, plus NTE and SEQ fields
 KWIC ----- Hit term plus 20 words on either side
 OCC ----- Number of occurrence of hit term and field in which it occurs

To display a particular field or fields, enter the display field codes. For a list of the display field codes, enter HELP DFIELDS at an arrow prompt (=>). Examples of formats include: TI; TI,AU; BIB,ST; TI,IND; TI,SO. You may specify the format fields in any order and the information will be displayed in the same order as the format specification.

All of the formats (except for SAM, SCAN, HIT, HITIND, HITRN, HITSTR, FHITSTR, HITSEQ, FHITSEQ, KWIC, and OCC) may be used with DISPLAY ACC to view a specified Accession Number.

ENTER DISPLAY FORMAT (BIB):bib

L7 ANSWER 1 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2007:291333 CAPLUS
 TI Structural and thermodynamic effects of halogen bonds in proteins
 AU Mehl, Ryan A.; Miyake-Stoner, Shigeki
 CS Department of Chemistry, Franklin & Marshall College, Lancaster, PA,
 17604-3003, USA
 SO Abstracts of Papers, 233rd ACS National Meeting, Chicago, IL, United
 States, March 25-29, 2007 (2007), CHED-956 Publisher: American Chemical
 Society, Washington, D. C.
 CODEN: 69JAUJ
 DT Conference; Meeting Abstract; (computer optical disk)

LA English

L7 ANSWER 2 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2007:446862 CAPLUS

TI Detection of structural changes in a cofactor binding protein by using a wheat germ cell-free protein synthesis system coupled with unnatural amino acid probing

AU Abe, Masato; Ohno, Satoshi; Yokogawa, Takashi; Nakanishi, Takeshi; Arisaka, Fumio; Hosoya, Takamitsu; Hiramatsu, Toshiyuki; Suzuki, Masaaki; Ogasawara, Tomio; Sawasaki, Tatsuya; Nishikawa, Kazuya; Kitamura, Masaya; Hori, Hiroyuki; Endo, Yaeta

CS Department of Applied Chemistry, Faculty of Engineering, Ehime University, Matsuyama, 790-8577, Japan

SO Proteins: Structure, Function, and Bioinformatics (2007), 67(3), 643-652
CODEN: PSFBAF

PB Wiley-Liss, Inc.

DT Journal

LA English

L7 ANSWER 3 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2007:296484 CAPLUS

TI Regio- and chemoselective covalent immobilization of proteins to gold surfaces through unnatural amino acids

AU Bohaty, Rochelle F. H.; Poulter, C. Dale

CS Department of Chemistry, University of Utah, Salt Lake City, UT, 84112, USA

SO Abstracts of Papers, 233rd ACS National Meeting, Chicago, IL, United States, March 25-29, 2007 (2007), ORGN-456 Publisher: American Chemical Society, Washington, D. C.
CODEN: 69JAUJ

DT Conference; Meeting Abstract; (computer optical disk)

LA English

L7 ANSWER 4 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2007:276899 CAPLUS

DN 146:291236

TI The old is new again: Asparagine oxidation in calcium-dependent antibiotic biosynthesis

AU Worthington, Andrew S.; Burkart, Michael D.

CS Dep. Chem. Biochemistry, Univ. California, San Diego, La Jolla, CA, 92093-0358, USA

SO ACS Chemical Biology (2007), 2(3), 152-154
CODEN: ACBCCT; ISSN: 1554-8929

PB American Chemical Society

DT Journal; General Review

LA English

RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 5 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2006:365367 CAPLUS

DN 144:404358

TI Mutagenesis of HERG ion channel to determine its specific interactions with drugs to design safer and more selective therapeutics

IN Dougherty, Dennis A.; Lester, Henry A.; Nowak, Mark W.

PA Neurion Pharmaceuticals, Inc., USA

SO U.S. Pat. Appl. Publ., 36 pp., Cont.-in-part of U.S. Ser. No. 957,116.
CODEN: USXXCO

DT Patent

LA English

FAN.CNT 4

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	US 2006084102	A1	20060420	US 2005-242822	20051003
	US 2004180401	A1	20040916	US 2003-444058	20030523
	US 2006014159	A1	20060119	US 2004-957116	20041001
PRAI	US 2002-382571P	P	20020524		
	US 2003-454338P	P	20030314		
	US 2003-444058	A2	20030523		
	US 2004-615173P	P	20041001		
	US 2004-957116	A2	20041001		

L7 ANSWER 6 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2006:50969 CAPLUS

DN 144:124554

TI Methods of determining precise HERG ion channel interactions based on incorporation of unnatural amino acids

IN Dougherty, Dennis A.; Lester, Henry A.; Lasch, Jonathan G.; Nowak, Mark W.

PA Neurion Pharmaceuticals, Inc., USA

SO U.S. Pat. Appl. Publ., 28 pp., Cont.-in-part of U.S. Ser. No. 444,058.
CODEN: USXXCO

DT Patent

LA English

FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2006014159	A1	20060119	US 2004-957116	20041001
	US 2004180401	A1	20040916	US 2003-444058	20030523
	WO 2006039717	A2	20060413	WO 2005-US35871	20051003
	WO 2006039717	A3	20060713		
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,				
	CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,				
	GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ,				
	LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ,				
	NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG,				
	SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN,				
	YU, ZA, ZM, ZW				
	RW:				
	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,				
	IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,				
	CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,				
	GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,				
	KG, KZ, MD, RU, TJ, TM				
	US 2006084102	A1	20060420	US 2005-242822	20051003
PRAI	US 2002-382571P	P	20020524		
	US 2003-454338P	P	20030314		
	US 2003-444058	A2	20030523		
	US 2004-615173P	P	20041001		
	US 2004-957116	A	20041001		

L7 ANSWER 7 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2006:1209620 CAPLUS

DN 146:116559

TI Reduction Potential Tuning of the Blue Copper Center in Pseudomonas aeruginosa Azurin by the Axial Methionine as Probed by Unnatural Amino Acids

AU Garner, Dewain K.; Vaughan, Mark D.; Hwang, Hee Jung; Savelieff, Masha G.; Berry, Steven M.; Honek, John F.; Lu, Yi

CS Department of Chemistry, University of Illinois at Urbana-Champaign, Urbana, IL, 61801, USA

SO Journal of the American Chemical Society (2006), 128(49), 15608-15617
CODEN: JACSAT; ISSN: 0002-7863

PB American Chemical Society

DT Journal

LA English

OS CASREACT 146:116559

RE.CNT 78 THERE ARE 78 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 8 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2006:1193539 CAPLUS
 DN 146:138111
 TI Modification of Aniline Containing Proteins Using an
 Oxidative Coupling Strategy
 AU Hooker, Jacob M.; Esser-Kahn, Aaron P.; Francis, Matthew B.
 CS Department of Chemistry, University of California, Berkeley, CA,
 94720-1460, USA
 SO Journal of the American Chemical Society (2006), 128(49), 15558-15559
 CODEN: JACSAT; ISSN: 0002-7863
 PB American Chemical Society
 DT Journal
 LA English

RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 9 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2006:646485 CAPLUS
 DN 145:265697
 TI Regio- and Chemoselective Covalent Immobilization of Proteins
 through Unnatural Amino Acids
 AU Gauchet, Cecile; Labadie, Guillermo R.; Poulter, C. Dale
 CS Department of Chemistry, University of Utah, Salt Lake City, UT, 84112,
 USA
 SO Journal of the American Chemical Society (2006), 128(29), 9274-9275
 CODEN: JACSAT; ISSN: 0002-7863
 PB American Chemical Society
 DT Journal
 LA English
 OS CASREACT 145:265697

RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 10 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2006:934962 CAPLUS
 DN 145:484232
 TI Genetic introduction of a diketone-containing amino acid into
 proteins
 AU Zeng, Huaqiang; Xie, Jianming; Schultz, Peter G.
 CS Department of Chemistry, Skaggs Institute for Chemical Biology, Scripps
 Research Institute, La Jolla, CA, 92037, USA
 SO Bioorganic & Medicinal Chemistry Letters (2006), 16(20), 5356-5359
 CODEN: BMCLE8; ISSN: 0960-894X
 PB Elsevier Ltd.
 DT Journal
 LA English

RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 11-20 ti,so,ibi L7
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 ALL ----- BIB, AB, IND, RE
 APPS ----- AI, PRAI
 BIB ----- AN, plus Bibliographic Data and PI table (default)
 CAN ----- List of CA abstract numbers without answer numbers
 CBIB ----- AN, plus Compressed Bibliographic Data

CLASS ----- IPC, NCL, ECLA, FTERM
 DALL ----- ALL, delimited (end of each field identified)
 DMAX ----- MAX, delimited for post-processing
 FAM ----- AN, PI and PRAI in table, plus Patent Family data
 FBIB ----- AN, BIB, plus Patent FAM
 IND ----- Indexing data
 IPC ----- International Patent Classifications
 MAX ----- ALL, plus Patent FAM, RE
 PATS ----- PI, SO
 SAM ----- CC, SX, TI, ST, IT
 SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;
 SCAN must be entered on the same line as the DISPLAY,
 e.g., D SCAN or DISPLAY SCAN)
 STD ----- BIB, CLASS

 IABS ----- ABS, indented with text labels
 IALL ----- ALL, indented with text labels
 IBIB ----- BIB, indented with text labels
 IMAX ----- MAX, indented with text labels
 ISTD ----- STD, indented with text labels

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 OIBIB ----- OBIB, indented with text labels

 SBIB ----- BIB, no citations
 SIBIB ----- IBIB, no citations

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 its structure diagram
 HITSEQ ----- HIT RN, its text modification, its CA index name, its
 structure diagram, plus NTE and SEQ fields
 FHITSTR ----- First HIT RN, its text modification, its CA index name, and
 its structure diagram
 FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
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 OCC ----- Number of occurrence of hit term and field in which it occurs

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ENTER DISPLAY FORMAT (BIB):bib

L7 ANSWER 11 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2006:965099 CAPLUS
 DN 146:200791
 TI Replacement Surgery with Unnatural Amino Acids
 in the Lock-and-Key Joint of Glutathione Transferase Subunits
 AU Hegazy, Usama M.; Hellman, Ulf; Mannervik, Bengt
 CS Department of Biochemistry and Organic Chemistry, Biomedical Center,
 Uppsala University, Uppsala, SE-751 23, Swed.
 SO Chemistry & Biology (Cambridge, MA, United States) (2006), 13(9), 929-936

CODEN: CBOLE2; ISSN: 1074-5521

PB Cell Press

DT Journal

LA English

RE.CNT 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 12 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2006:724028 CAPLUS

TI Trends in molecular design of hemoproteins

AU Lin, Yingwu; Huang, Zhongxian

CS Chemical Biology Lab, Department of Chemistry, Fudan University, Shanghai,
200433, Peop. Rep. China

SO Huaxue Jinzhan (2006), 18(6), 794-800
CODEN: HJINEL; ISSN: 1005-281X

PB Huaxue Jinzhan Bianjibu

DT Journal; General Review

LA Chinese

L7 ANSWER 13 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2006:1239127 CAPLUS

DN 146:92461

TI Therapeutic peptides: Technological advances driving peptides into
development

AU Sato, Aaron K.; Viswanathan, Malini; Kent, Rachel B.; Wood, Clive R.

CS Dyax Corporation, Cambridge, MA, 02139, USA

SO Current Opinion in Biotechnology (2006), 17(6), 638-642
CODEN: CUOBE3; ISSN: 0958-1669

PB Elsevier Ltd.

DT Journal; General Review

LA English

RE.CNT 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 14 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2006:967685 CAPLUS

DN 146:2131

TI Semisynthetic proteins in mechanistic studies: using chemistry
to go where nature can't

AU Pellois, Jean-Philippe; Muir, Tom W.

CS The Laboratory of Synthetic Protein Chemistry, The Rockefeller University,
New York, NY, 10021, USA

SO Current Opinion in Chemical Biology (2006), 10(5), 487-491
CODEN: COCBF4; ISSN: 1367-5931

PB Elsevier B.V.

DT Journal; General Review

LA English

RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 15 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2006:857902 CAPLUS

TI Designed amino acids with an N-heterocyclic carbene sidechain

AU Morgan, John P.; Pursel, Heather; Amin, Saad

CS Department of Chemistry, Bloomsburg University of Pennsylvania,
Bloomsburg, PA, 17815, USA

SO Abstracts of Papers, 232nd ACS National Meeting, San Francisco, CA, United
States, Sept. 10-14, 2006 (2006), CHED-294 Publisher: American Chemical
Society, Washington, D. C.
CODEN: 69IHRD

DT Conference; Meeting Abstract; (computer optical disk)

LA English

L7 ANSWER 16 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2006:536759 CAPLUS
DN 146:289936
TI Transition metal catalyzed methods for site-selective protein
modification
AU Antos, John M.; Francis, Matthew B.
CS Department of Chemistry, University of California, Berkeley, CA,
94720-1460, USA
SO Current Opinion in Chemical Biology (2006), 10(3), 253-262
CODEN: COCBF4; ISSN: 1367-5931
PB Elsevier B.V.
DT Journal; General Review
LA English
RE.CNT 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 17 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2005:1275455 CAPLUS
DN 144:65679
TI Switching DNA-binding specificity by unnatural amino
acid substitution
AU Maiti, Atanu; Royi, Siddhartha
CS Department of Biophysics, Bose Institute, P-1/12, C.I.T. Scheme VII M,
Kolkata, 700 054, India
SO Nucleic Acids Research (2005), 33(18), 5896-5903
CODEN: NARHAD; ISSN: 0305-1048
PB Oxford University Press
DT Journal
LA English
RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 18 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2005:1326984 CAPLUS
DN 145:434246
TI Selective Staudinger modification of proteins
containing p-azidophenylalaninealanine
AU Tsao, Meng-Lin; Tian, Feng; Schultz, Peter G.
CS Department of Chemistry and The Skaggs Institute for Chemical Biology, The
Scripps Research Institute, La Jolla, CA, 92037, USA
SO ChemBioChem (2005), 6(12), 2147-2149
CODEN: CBCHFX; ISSN: 1439-4227
PB Wiley-VCH Verlag GmbH & Co. KGaA
DT Journal
LA English
RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 19 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2005:1229980 CAPLUS
DN 144:462682
TI Protein semisynthesis and expressed protein ligation:
chasing a protein's tail
AU Schwarzer, Dirk; Cole, Philip A.
CS Department of Pharmacology and Molecular Sciences, Johns Hopkins
University School of Medicine, Baltimore, MD, 21205, USA
SO Current Opinion in Chemical Biology (2005), 9(6), 561-569
CODEN: COCBF4; ISSN: 1367-5931
PB Elsevier Ltd.
DT Journal; General Review
LA English
RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 20 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2005:1229978 CAPLUS
DN 144:427395
TI Adding amino acids to the genetic repertoire
AU Xie, Jianming; Schultz, Peter G.
CS Department of Chemistry and Skaggs Institute for Chemical Biology, The
Scripps Research Institute, La Jolla, CA, 92037, USA
SO Current Opinion in Chemical Biology (2005), 9(6), 548-554
CODEN: COCBF4; ISSN: 1367-5931
PB Elsevier Ltd.
DT Journal; General Review
LA English
RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 21-30 ti,so, bib L7

L7 ANSWER 21 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Possibility of application of sugar chain modification
technology to drug development
SO Farumashia (2005), 41(4), 325-330
CODEN: FARUAW; ISSN: 0014-8601
AN 2005:338889 CAPLUS
DN 142:406809
TI Possibility of application of sugar chain modification
technology to drug development
AU Nishimura, Shin-Ichiro
CS Grad. Sch. Sci., Hokkaido Univ., Japan
SO Farumashia (2005), 41(4), 325-330
CODEN: FARUAW; ISSN: 0014-8601
PB Pharmaceutical Society of Japan
DT Journal; General Review
LA Japanese

L7 ANSWER 22 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Unnatural protein engineering: Producing proteins with
unnatural amino acids
SO Medicinal Chemistry Reviews--Online (2005), 2(4), 303-323
CODEN: MCREC9; ISSN: 1567-2034
URL: <http://www.ingentaconnect.com/content/ben/mcro/2005/00000002/00000004/art00005>
AN 2005:1097879 CAPLUS
DN 145:162046
TI Unnatural protein engineering: Producing proteins with
unnatural amino acids
AU Magliery, Thomas J.
CS Department of Molecular Biophysics & Biochemistry, Yale University, New
Haven, CT, 06520-8114, USA
SO Medicinal Chemistry Reviews--Online (2005), 2(4), 303-323
CODEN: MCREC9; ISSN: 1567-2034
URL: <http://www.ingentaconnect.com/content/ben/mcro/2005/00000002/00000004/art00005>
PB Bentham Science Publishers Ltd.
DT Journal; General Review; (online computer file)
LA English
RE.CNT 228 THERE ARE 228 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 23 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI An expanded genetic code: A tool for exploring protein structure
and function

SO Abstracts of Papers, 229th ACS National Meeting, San Diego, CA, United States, March 13-17, 2005 (2005), BIOT-121 Publisher: American Chemical Society, Washington, D. C.
CODEN: 69GQMP
AN 2005:186361 CAPLUS
TI An expanded genetic code: A tool for exploring protein structure and function
AU Xie, Jianming; Schultz, Peter G.
CS Department of Chemistry and the Skaggs Institute for Chemical Biology, The Scripps Research Institute, La Jolla, CA, 92037, USA
SO Abstracts of Papers, 229th ACS National Meeting, San Diego, CA, United States, March 13-17, 2005 (2005), BIOT-121 Publisher: American Chemical Society, Washington, D. C.
CODEN: 69GQMP
DT Conference; Meeting Abstract
LA English

L7 ANSWER 24 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Semisynthetic proteins bearing tailor-made functions
SO Kobunshi (2005), 54(1), 23-28
CODEN: KOBUA3; ISSN: 0454-1138
AN 2005:66013 CAPLUS
DN 143:440692
TI Semisynthetic proteins bearing tailor-made functions
AU Hamachi, Itaru; Tsutsumi, Hiroshi
CS Institute for Chemistry, Kyushu University, Higashi-ku, Fukuoka, 812-8581, Japan
SO Kobunshi (2005), 54(1), 23-28
CODEN: KOBUA3; ISSN: 0454-1138
PB Kobunshi Gakkai
DT Journal; General Review
LA Japanese

L7 ANSWER 25 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Expanding the eukaryotic genetic code using orthologous aminoacyl-tRNA synthetases genetically engineered for specificity toward non-natural amino acids
SO PCT Int. Appl., 276 pp.
CODEN: PIXXD2
AN 2004:934465 CAPLUS
DN 141:389844
TI Expanding the eukaryotic genetic code using orthologous aminoacyl-tRNA synthetases genetically engineered for specificity toward non-natural amino acids
IN Chin, Jason W.; Cropp, Ashton T.; Anderson, Christopher J.; Schultz, Peter G.
PA The Scripps Research Institute, USA
SO PCT Int. Appl., 276 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004094593	A2	20041104	WO 2004-US11786	20040416
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,			

ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN,
TD, TG

AU 2004233083	A1	20041104	AU 2004-233083	20040416
CA 2520750	A1	20041104	CA 2004-2520750	20040416
US 2004265952	A1	20041230	US 2004-826919	20040416
AU 2004253857	A1	20050113	AU 2004-253857	20040416
CA 2527877	A1	20050113	CA 2004-2527877	20040416
US 2005009049	A1	20050113	US 2004-825867	20040416
WO 2005003294	A2	20050113	WO 2004-US11833	20040416

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN,
TD, TG

EP 1613735	A2	20060111	EP 2004-759917	20040416
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
EP 1636340	A2	20060322	EP 2004-785787	20040416
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
BR 2004011475	A	20060725	BR 2004-11475	20040416
US 2006246509	A1	20061102	US 2006-561121	20060523

PRAI US 2003-463869P P 20030417
US 2003-479931P P 20030618
US 2003-493014P P 20030805
US 2003-496548P P 20030819
WO 2004-US11786 W 20040416
WO 2004-US11833 W 20040416

L7 ANSWER 26 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Protein arrays, their preparation using unnatural
amino acids reactive with groups on solid supports, and
their use in biosensors

SO PCT Int. Appl., 93 pp.
CODEN: PIXXD2

AN 2004:570006 CAPLUS
DN 141:119756

TI Protein arrays, their preparation using unnatural
amino acids reactive with groups on solid supports, and
their use in biosensors

IN Schultz, Peter G.; Wang, Lei
PA The Scripps Research Institute, USA
SO PCT Int. Appl., 93 pp.
CODEN: PIXXD2

DT Patent
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004058946	A2	20040715	WO 2003-US41346	20031222
	WO 2004058946	A3	20050728		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,				

TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
 BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,
 ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,
 TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

CA 2508939 A1 20040715 CA 2003-2508939 20031222
 AU 2003300389 A1 20040722 AU 2003-300389 20031222
 US 2004198637 A1 20041007 US 2003-744899 20031222
 EP 1583816 A2 20051012 EP 2003-814387 20031222

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

JP 2006511797 T 20060406 JP 2004-562576 20031222

PRAI US 2002-435821P P 20021222
 WO 2003-US41346 W 20031222

L7 ANSWER 27 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
 TI Synthetic glycosylation of proteins by incorporation of
 unnatural amino acids with novel reactive
 groups into the protein
 SO PCT Int. Appl., 103 pp.
 CODEN: PIXXD2
 AN 2004:354961 CAPLUS
 DN 140:370523
 TI Synthetic glycosylation of proteins by incorporation of
 unnatural amino acids with novel reactive
 groups into the protein
 IN Schultz, Peter G.; Wang, Lei; Zhang, Zhiwen
 PA The Scripps Research Institute, USA
 SO PCT Int. Appl., 103 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004035605	A2	20040429	WO 2003-US32870	20031015
WO 2004035605	A3	20050512		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2500653	A1	20040429	CA 2003-2500653	20031015
AU 2003286436	A1	20040504	AU 2003-286436	20031015
US 2004138106	A1	20040715	US 2003-686944	20031015
US 6927042	B2	20050809		
EP 1558747	A2	20050803	EP 2003-777634	20031015
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2006507358	T	20060302	JP 2005-501440	20031015
US 2005266526	A1	20051201	US 2004-14402	20041214
US 2005181471	A1	20050818	US 2005-94677	20050329
US 2005186656	A1	20050825	US 2005-93798	20050329
US 7183082	B2	20070227		
US 2005186657	A1	20050825	US 2005-94676	20050329
US 7129333	B2	20061031		
US 2005209133	A1	20050922	US 2005-93797	20050329
US 2005233412	A1	20051020	US 2005-93597	20050329

	US 7199222	B2	20070403
PRAI	US 2002-419265P	P	20021016
	US 2002-420990P	P	20021023
	US 2003-441450P	P	20030116
	US 2003-686944	A3	20031015
	WO 2003-US32870	W	20031015

L7 ANSWER 28 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
 TI Solution structures of the C-terminal headpiece subdomains of human villin and advillin, evaluation of headpiece F-actin-binding requirements
 SO Protein Science (2004), 13(5), 1276-1287
 CODEN: PRCIEI; ISSN: 0961-8368
 AN 2004:356697 CAPLUS
 DN 141:84288
 TI Solution structures of the C-terminal headpiece subdomains of human villin and advillin, evaluation of headpiece F-actin-binding requirements
 AU Vermeulen, Wim; Vanhaesebrouck, Peter; Van Troys, Marleen; Verschueren, Mieke; Fant, Franky; Goethals, Marc; Ampe, Christophe; Martins, Jose C.; Borremans, Frans A. M.
 CS NMR and Structure Analysis Unit, Department of Organic Chemistry, Faculty of Sciences, Ghent University, Ghent, 9000, Belg.
 SO Protein Science (2004), 13(5), 1276-1287
 CODEN: PRCIEI; ISSN: 0961-8368
 PB Cold Spring Harbor Laboratory Press
 DT Journal
 LA English
 RE.CNT 51 THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 29 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
 TI Site-specific incorporation of unnatural amino acids into proteins
 SO ChemBioChem (2004), 5(7), 909-916
 CODEN: CBCHFX; ISSN: 1439-4227
 AN 2004:582355 CAPLUS
 DN 142:151030
 TI Site-specific incorporation of unnatural amino acids into proteins
 AU Stromgaard, Anne; Jensen, Anders A.; Stromgaard, Kristian
 CS Department of Molecular Biology, University of Aarhus, Aarhus, 8000, Den.
 SO ChemBioChem (2004), 5(7), 909-916
 CODEN: CBCHFX; ISSN: 1439-4227
 PB Wiley-VCH Verlag GmbH & Co. KGaA
 DT Journal; General Review
 LA English
 RE.CNT 134 THERE ARE 134 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 30 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
 TI Is peptide bond cis/trans isomerization a key stage in the chemo-mechanical cycle of motor proteins?
 SO FASEB Journal (2004), 18(7), 783-789, 10.1096/fj.03-1027hyp
 CODEN: FAJOEC; ISSN: 0892-6638
 AN 2004:387444 CAPLUS
 DN 141:101928
 TI Is peptide bond cis/trans isomerization a key stage in the chemo-mechanical cycle of motor proteins?
 AU Tchaicheeyan, Oren
 CS Biomedical Engineering Department, Technion-Israel Institute of Technology, Haifa, 32000, India
 SO FASEB Journal (2004), 18(7), 783-789, 10.1096/fj.03-1027hyp
 CODEN: FAJOEC; ISSN: 0892-6638
 PB Federation of American Societies for Experimental Biology

DT Journal
LA English
RE.CNT 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 31-40 ti,so, bib L7

L7 ANSWER 31 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Native chemical ligation of hydrophobic peptides in lipid bilayer systems
SO Bioconjugate Chemistry (2004), 15(3), 437-440
CODEN: BCCHE; ISSN: 1043-1802
AN 2004:334392 CAPLUS
DN 141:50078
TI Native chemical ligation of hydrophobic peptides in lipid bilayer systems
AU Hunter, Christie L.; Kochendoerfer, Gerd G.
CS Gryphon Therapeutics, South San Francisco, CA, 94080, USA
SO Bioconjugate Chemistry (2004), 15(3), 437-440
CODEN: BCCHE; ISSN: 1043-1802
PB American Chemical Society
DT Journal
LA English
RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 32 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Chemical biology of protein splicing
SO Abstracts of Papers, 228th ACS National Meeting, Philadelphia, PA, United States, August 22-26, 2004 (2004), BIOL-243 Publisher: American Chemical Society, Washington, D. C.
CODEN: 69FTZ8
AN 2004:655806 CAPLUS
TI Chemical biology of protein splicing
AU Muir, Tom W.
CS Laboratory of Synthetic Protein Chemistry, Rockefeller University, New York City, NY, 10021, USA
SO Abstracts of Papers, 228th ACS National Meeting, Philadelphia, PA, United States, August 22-26, 2004 (2004), BIOL-243 Publisher: American Chemical Society, Washington, D. C.
CODEN: 69FTZ8
DT Conference; Meeting Abstract
LA English

L7 ANSWER 33 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI The chemical biology of protein splicing
SO Abstracts of Papers, 227th ACS National Meeting, Anaheim, CA, United States, March 28-April 1, 2004 (2004), MEDI-213 Publisher: American Chemical Society, Washington, D. C.
CODEN: 69FGKM
AN 2004:226571 CAPLUS
TI The chemical biology of protein splicing
AU Muir, Tom W.
CS Laboratory of Synthetic Protein Chemistry, Rockefeller University, New York City, NY, 10021, USA
SO Abstracts of Papers, 227th ACS National Meeting, Anaheim, CA, United States, March 28-April 1, 2004 (2004), MEDI-213 Publisher: American Chemical Society, Washington, D. C.
CODEN: 69FGKM
DT Conference; Meeting Abstract
LA English

L7 ANSWER 34 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Functional engineered channels and pores

SO Molecular Membrane Biology (2004), 21(4), 209-220
CODEN: MMEBE7; ISSN: 0968-7688
AN 2004:649252 CAPLUS
DN 141:327224
TI Functional engineered channels and pores
AU Bayley, Hagan; Jayasinghe, Lakmal
CS Department of Chemistry, University of Oxford, Oxford, OX1 3TA, UK
SO Molecular Membrane Biology (2004), 21(4), 209-220
CODEN: MMEBE7; ISSN: 0968-7688
PB Taylor & Francis Ltd.
DT Journal; General Review
LA English
RE.CNT 84 THERE ARE 84 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 35 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Toward protein glycosylation through post-translational
modification from a cell-free protein synthesis system
SO Abstracts of Papers, 227th ACS National Meeting, Anaheim, CA, United
States, March 28-April 1, 2004 (2004), BIOT-198 Publisher: American
Chemical Society, Washington, D. C.
CODEN: 69FGKM
AN 2004:221744 CAPLUS
TI Toward protein glycosylation through post-translational
modification from a cell-free protein synthesis system
AU Schulte, Jennifer; Swartz, James R.
CS Department of Chemical Engineering, Stanford University, Stanford, CA,
94305-5025, USA
SO Abstracts of Papers, 227th ACS National Meeting, Anaheim, CA, United
States, March 28-April 1, 2004 (2004), BIOT-198 Publisher: American
Chemical Society, Washington, D. C.
CODEN: 69FGKM
DT Conference; Meeting Abstract
LA English

L7 ANSWER 36 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Genetically directed synthesis of a bioadhesive protein
SO Abstracts of Papers, 228th ACS National Meeting, Philadelphia, PA, United
States, August 22-26, 2004 (2004), BIOL-098 Publisher: American Chemical
Society, Washington, D. C.
CODEN: 69FTZ8
AN 2004:655663 CAPLUS
TI Genetically directed synthesis of a bioadhesive protein
AU Anderson, Jaimie R.; Conticello, Vincent P.
CS Department of Chemistry, Emory University, Atlanta, GA, 30322, USA
SO Abstracts of Papers, 228th ACS National Meeting, Philadelphia, PA, United
States, August 22-26, 2004 (2004), BIOL-098 Publisher: American Chemical
Society, Washington, D. C.
CODEN: 69FTZ8
DT Conference; Meeting Abstract
LA English

L7 ANSWER 37 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Multiple-site-specific incorporation of an unnatural
amino acid into protein in vivo
SO Abstracts of Papers, 227th ACS National Meeting, Anaheim, CA, United
States, March 28-April 1, 2004 (2004), BIOT-019 Publisher: American
Chemical Society, Washington, D. C.
CODEN: 69FGKM
AN 2004:221565 CAPLUS
TI Multiple-site-specific incorporation of an unnatural
amino acid into protein in vivo
AU Kwon, Inchan; Tirrell, David A.

CS Division of Chemistry and Chemical Engineering, California Institute of
Technology, Pasadena, CA, 91125, USA
SO Abstracts of Papers, 227th ACS National Meeting, Anaheim, CA, United
States, March 28-April 1, 2004 (2004), BIOT-019 Publisher: American
Chemical Society, Washington, D. C.
CODEN: 69FGKM
DT Conference; Meeting Abstract
LA English

L7 ANSWER 38 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Nucleic acid-peptide display libraries containing peptides with
unnatural amino acid residues and their
construction
SO PCT Int. Appl., 96 pp.
CODEN: PIXXD2
AN 2003:855948 CAPLUS
DN 139:359838
TI Nucleic acid-peptide display libraries containing peptides with
unnatural amino acid residues and their
construction
IN Roberts, Richard W.; Frankel, Adam; Li, Shuwei
PA California Institute of Technology, USA
SO PCT Int. Appl., 96 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003089454	A2	20031030	WO 2003-US12206	20030418
	WO 2003089454	A3	20040212		
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				
	CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,				
	GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,				
	LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,				
	PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT,				
	TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,				
	KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,				
	FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,				
	BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2003225085	A1	20031103	AU 2003-225085	20030418
	US 2003235851	A1	20031225	US 2003-418751	20030418
	US 2003235852	A1	20031225	US 2003-418752	20030418
	EP 1504111	A2	20050209	EP 2003-721792	20030418
	R:				
	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				
	IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
PRAI	US 2002-373901P	P	20020419		
	WO 2003-US12206	W	20030418		

L7 ANSWER 39 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Engineered open reading frame of human protein p53 for optimized
codon usage and expression
SO U.S. Pat. Appl. Publ., 73 pp.
CODEN: USXXCO
AN 2003:737273 CAPLUS
DN 139:257020
TI Engineered open reading frame of human protein p53 for optimized
codon usage and expression
IN Brachmann, Rainer K.
PA Washington University, USA
SO U.S. Pat. Appl. Publ., 73 pp.
CODEN: USXXCO

DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003175862	A1	20030918	US 2002-77176	20020219
	US 6911538	B2	20050628		
PRAI	US 2002-348394P	P	20020116		

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 40 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI A New Strategy for the Site-Specific Modification of
Proteins in Vivo
SO Biochemistry (2003), 42(22), 6735-6746
CODEN: BICHAW; ISSN: 0006-2960
AN 2003:369941 CAPLUS
DN 139:97460
TI A New Strategy for the Site-Specific Modification of
Proteins in Vivo
AU Zhang, Zhiwen; Smith, Brian A. C.; Wang, Lei; Brock, Ansgar; Cho, Charles;
Schultz, Peter G.
CS Department of Chemistry and Skaggs Institute for Chemical Biology, Scripps
Research Institute, La Jolla, CA, 92037, USA
SO Biochemistry (2003), 42(22), 6735-6746
CODEN: BICHAW; ISSN: 0006-2960
PB American Chemical Society
DT Journal
LA English
RE.CNT 64 THERE ARE 64 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 41-50 ti,so, bib L7

L7 ANSWER 41 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Unnatural RNA display libraries
SO Current Opinion in Structural Biology (2003), 13(4), 506-512
CODEN: COSBEF; ISSN: 0959-440X
AN 2003:673538 CAPLUS
DN 139:376729
TI Unnatural RNA display libraries
AU Frankel, Adam; Li, Shuwei; Starck, Shelley R.; Roberts, Richard W.
CS Division of Chemistry & Chemical Engineering, California Institute of
Technology, Pasadena, CA, 91125, USA
SO Current Opinion in Structural Biology (2003), 13(4), 506-512
CODEN: COSBEF; ISSN: 0959-440X
PB Elsevier Science Ltd.
DT Journal; General Review
LA English
RE.CNT 70 THERE ARE 70 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 42 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Cell surface engineering with non-canonical amino acids
SO Abstracts of Papers, 226th ACS National Meeting, New York, NY, United
States, September 7-11, 2003 (2003), POLY-203 Publisher: American Chemical
Society, Washington, D. C.
CODEN: 69EKY9
AN 2003:637084 CAPLUS
TI Cell surface engineering with non-canonical amino acids
AU Link, A. James; Tirrell, David A.
CS Division of Chemistry and Chemical Engineering, California Institute of

Technology, Pasadena, CA, 91125, USA

SO Abstracts of Papers, 226th ACS National Meeting, New York, NY, United States, September 7-11, 2003 (2003), POLY-203 Publisher: American Chemical Society, Washington, D. C.
CODEN: 69EKY9

DT Conference; Meeting Abstract

LA English

L7 ANSWER 43 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN

TI Cell-free protein synthesis utilizing unnatural amino acids

SO Abstracts of Papers, 225th ACS National Meeting, New Orleans, LA, United States, March 23-27, 2003 (2003), BIOT-025 Publisher: American Chemical Society, Washington, D. C.
CODEN: 69DSA4

AN 2003:179021 CAPLUS

TI Cell-free protein synthesis utilizing unnatural amino acids

AU Schulte, Jennifer; Swartz, James R.

CS Department of Chemical Engineering, Stanford University, Stanford, CA, 94305-5025, USA

SO Abstracts of Papers, 225th ACS National Meeting, New Orleans, LA, United States, March 23-27, 2003 (2003), BIOT-025 Publisher: American Chemical Society, Washington, D. C.
CODEN: 69DSA4

DT Conference; Meeting Abstract

LA English

L7 ANSWER 44 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN

TI New dsDNA binding unnatural oligopeptides with pyrimidine selectivity

SO Bioorganic & Medicinal Chemistry (2002), 10(11), 3401-3413
CODEN: BMECEP; ISSN: 0968-0896

AN 2002:669110 CAPLUS

DN 138:85328

TI New dsDNA binding unnatural oligopeptides with pyrimidine selectivity

AU Zhang, Zhenyu; Chaltin, Patrick; Van Aerschot, Arthur; Lacey, Jeff; Rozenski, Jef; Busson, Roger; Herdewijn, Piet

CS Rega Institute for Medical Research, Laboratory of Medicinal Chemistry, Katholieke Universiteit Leuven, Louvain, B-3000, Belg.

SO Bioorganic & Medicinal Chemistry (2002), 10(11), 3401-3413
CODEN: BMECEP; ISSN: 0968-0896

PB Elsevier Science Ltd.

DT Journal

LA English

OS CASREACT 138:85328

RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 45 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN

TI Expanding the natural repertoire of protein structure and function

SO Current Pharmaceutical Biotechnology (2002), 3(4), 299-315
CODEN: CPBUBP; ISSN: 1389-2010

AN 2002:899928 CAPLUS

DN 138:250834

TI Expanding the natural repertoire of protein structure and function

AU Anthony-Cahill, Spencer J.; Magliery, Thomas J.

CS Department of Chemistry, Western Washington University, Bellingham, WA, 98225-9150, USA

SO Current Pharmaceutical Biotechnology (2002), 3(4), 299-315
CODEN: CPBUBP; ISSN: 1389-2010

PB Bentham Science Publishers Ltd.

DT Journal; General Review
LA English
RE.CNT 155 THERE ARE 155 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 46 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Recent advances in the application of expressed protein ligation
to protein engineering
SO Current Opinion in Biotechnology (2002), 13(4), 297-303
CODEN: CUOBE3; ISSN: 0958-1669
AN 2002:657415 CAPLUS
DN 137:259456
TI Recent advances in the application of expressed protein ligation
to protein engineering
AU Hofmann, Roseanne M.; Muir, Tom W.
CS Laboratory of Synthetic Protein Chemistry, The Rockefeller University, New
York, NY, 10021, USA
SO Current Opinion in Biotechnology (2002), 13(4), 297-303
CODEN: CUOBE3; ISSN: 0958-1669
PB Elsevier Science Ltd.
DT Journal; General Review
LA English
RE.CNT 65 THERE ARE 65 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 47 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Expanding the Genetic Code: Selection of Efficient Suppressors of
Four-base Codons and Identification of "Shifty" Four-base Codons with a
Library Approach in Escherichia coli
SO Journal of Molecular Biology (2001), 307(3), 755-769
CODEN: JMOBAK; ISSN: 0022-2836
AN 2001:218590 CAPLUS
DN 135:354241
TI Expanding the Genetic Code: Selection of Efficient Suppressors of
Four-base Codons and Identification of "Shifty" Four-base Codons with a
Library Approach in Escherichia coli
AU Magliery, Thomas J.; Anderson, J. Christopher; Schultz, Peter G.
CS Department of Chemistry, University of California, Berkeley, CA, 94720,
USA
SO Journal of Molecular Biology (2001), 307(3), 755-769
CODEN: JMOBAK; ISSN: 0022-2836
PB Academic Press
DT Journal
LA English
RE.CNT 54 THERE ARE 54 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 48 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Towards a total synthesis of aminoacylated t-RNAs
SO Chimia (2001), 55(1-2), 60-64
CODEN: CHIMAD; ISSN: 0009-4293
AN 2001:184236 CAPLUS
DN 135:267842
TI Towards a total synthesis of aminoacylated t-RNAs
AU Pitsch, Stefan
CS Laboratorium fur Organische Chemie ETH Zentrum, Zurich, CH-8092, Switz.
SO Chimia (2001), 55(1-2), 60-64
CODEN: CHIMAD; ISSN: 0009-4293
PB Neue Schweizerische Chemische Gesellschaft
DT Journal
LA English
RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 49 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
 TI Thermophilic DNA polymerases from Thermotoga neapolitana modified for improved amplification and sequencing performance
 SO U.S., 109 pp., Cont.-in-part of U. S. 6,001,645.
 CODEN: USXXAM
 AN 2000:415475 CAPLUS
 DN 133:70707
 TI Thermophilic DNA polymerases from Thermotoga neapolitana modified for improved amplification and sequencing performance
 IN Slater, Michael R.; Huang, Fen; Hartnett, James R.; Bolchakova, Elena; Storts, Douglas R.; Otto, Paul; Miller, Katharine M.; Novikov, Alexander; Velikodvorskaya, Galina A.
 PA Promega Corp., USA
 SO U.S., 109 pp., Cont.-in-part of U. S. 6,001,645.
 CODEN: USXXAM
 DT Patent
 LA English
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	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6077664	A	20000620	US 1996-656664	19960531
	US 6001645	A	19991214	US 1995-484661	19950607
	WO 9641014	A1	19961219	WO 1996-US9641	19960607
	W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG				
	RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN				
	AU 9662640	A	19961230	AU 1996-62640	19960607
	AU 705179	B2	19990520		
	EP 873420	A1	19981028	EP 1996-921407	19960607
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI				
	US 2004132985	A1	20040708	US 2003-706229	20031112
PRAI	US 1995-484661	A2	19950607		
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	WO 1996-US9641	W	19960607		
	US 1999-385986	B1	19990830		
	US 2000-641319	A3	20000818		

RE.CNT 140 THERE ARE 140 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 50 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
 TI Rapid identification of protein ligands.
 SO Abstracts of Papers, 220th ACS National Meeting, Washington, DC, United States, August 20-24, 2000 (2000) MEDI-319
 CODEN: 69FZC3
 AN 2000:796318 CAPLUS
 TI Rapid identification of protein ligands.
 AU Nestor, John; Cantley, Lewis C.; Turk, Benjamin E.; Wilson, Carol J.; Tan, Christina; Natke, Barbara C.; See, Raymond H.; Kolczkowski, Elaine C.; Kates, Steven A.; Wang, Jihong
 CS Consensus Pharmaceuticals, Inc, Medford, MA, 02155, USA
 SO Abstracts of Papers, 220th ACS National Meeting, Washington, DC, United States, August 20-24, 2000 (2000) MEDI-319
 CODEN: 69FZC3
 PB American Chemical Society
 DT Journal; Meeting Abstract
 LA English

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L7 ANSWER 51 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Introduction of unnatural amino acids into
proteins
SO Drugs and the Pharmaceutical Sciences (2000), 101(Peptide and Protein Drug
Analysis), 191-205
CODEN: DPHSDS; ISSN: 0360-2583
AN 2000:645148 CAPLUS
DN 134:82234
TI Introduction of unnatural amino acids into
proteins
AU Lesley, Scott A.
CS Novartis Institute for Functional Genomics, La Jolla, CA, USA
SO Drugs and the Pharmaceutical Sciences (2000), 101(Peptide and Protein Drug
Analysis), 191-205
CODEN: DPHSDS; ISSN: 0360-2583
PB Marcel Dekker, Inc.
DT Journal; General Review
LA English
RE.CNT 70 THERE ARE 70 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 52 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI The controlled introduction of multiple negative charge at single amino
acid sites in subtilisin Bacillus lentus
SO Bioorganic & Medicinal Chemistry (1999), 7(11), 2293-2301
CODEN: BMECEP; ISSN: 0968-0896
AN 2000:9420 CAPLUS
DN 132:134059
TI The controlled introduction of multiple negative charge at single amino
acid sites in subtilisin Bacillus lentus
AU Davis, Benjamin G.; Shang, Xiao; DeSantis, Grace; Bott, Richard R.; Jones,
J. Bryan
CS Department of Chemistry, University of Toronto, Toronto, ON, M5S 3H6, Can.
SO Bioorganic & Medicinal Chemistry (1999), 7(11), 2293-2301
CODEN: BMECEP; ISSN: 0968-0896
PB Elsevier Science Ltd.
DT Journal
LA English
RE.CNT 61 THERE ARE 61 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 53 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Acquisition of inhibitor-sensitive protein kinases through
protein design
SO Pharmacology & Therapeutics (1999), 82(2-3), 337-346
CODEN: PHTHDT; ISSN: 0163-7258
AN 1999:397271 CAPLUS
DN 131:179171
TI Acquisition of inhibitor-sensitive protein kinases through
protein design
AU Bishop, Anthony C.; Shokat, Kevan M.
CS Department of Chemistry, Princeton University, Princeton, NJ, 08544, USA
SO Pharmacology & Therapeutics (1999), 82(2-3), 337-346
CODEN: PHTHDT; ISSN: 0163-7258
PB Elsevier Science Inc.
DT Journal; General Review
LA English
RE.CNT 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 54 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN

TI Chemical modification of enzymes for enhanced functionality
SO Current Opinion in Biotechnology (1999), 10(4), 324-330
CODEN: CUOBE3; ISSN: 0958-1669
AN 1999:524316 CAPLUS
DN 131:283061
TI Chemical modification of enzymes for enhanced functionality
AU DeSantis, Grace; Jones, J. Bryan
CS Department of Chemistry, University of Toronto, Toronto, ON, M5S 3H6, Can.
SO Current Opinion in Biotechnology (1999), 10(4), 324-330
CODEN: CUOBE3; ISSN: 0958-1669
PB Current Biology Publications
DT Journal; General Review
LA English
RE.CNT 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 55 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Probing the structure of the nicotinic acetylcholine receptor using
fluorescent unnatural amino acids
SO Book of Abstracts, 217th ACS National Meeting, Anaheim, Calif., March
21-25 (1999), ORGN-101 Publisher: American Chemical Society, Washington,
D. C.
CODEN: 67GHA6
AN 1999:145534 CAPLUS
TI Probing the structure of the nicotinic acetylcholine receptor using
fluorescent unnatural amino acids
AU Sarofim, Marcus C.; Dougherty, Dennis A.; Lester, Henry A.
CS Division of Chemistry and Chemical Engineering, California Institute of
Technology, Pasadena, CA, 91125, USA
SO Book of Abstracts, 217th ACS National Meeting, Anaheim, Calif., March
21-25 (1999), ORGN-101 Publisher: American Chemical Society, Washington,
D. C.
CODEN: 67GHA6
DT Conference; Meeting Abstract
LA English

L7 ANSWER 56 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Chemical Modifications at a Single Site Can Induce Significant
Shifts in the pH Profiles of a Serine Protease
SO Journal of the American Chemical Society (1998), 120(34), 8582-8586
CODEN: JACSAT; ISSN: 0002-7863
AN 1998:509809 CAPLUS
DN 129:256827
TI Chemical Modifications at a Single Site Can Induce Significant
Shifts in the pH Profiles of a Serine Protease
AU DeSantis, Grace; Jones, J. Bryan
CS Department of Chemistry, University of Toronto, Toronto, ON, M5S 3H6, Can.
SO Journal of the American Chemical Society (1998), 120(34), 8582-8586
CODEN: JACSAT; ISSN: 0002-7863
PB American Chemical Society
DT Journal
LA English
RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 57 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Expressed protein ligation: A general method for protein
engineering
SO Proceedings of the National Academy of Sciences of the United States of
America (1998), 95(12), 6705-6710
CODEN: PNASA6; ISSN: 0027-8424
AN 1998:378466 CAPLUS
DN 129:118455

TI Expressed protein ligation: A general method for protein engineering
AU Muir, Tom W.; Sondhi, Dolan; Cole, Philip A.
CS Laboratory of Synthetic Protein Chemistry, Rockefeller University, New York, NY, 10021, USA
SO Proceedings of the National Academy of Sciences of the United States of America (1998), 95(12), 6705-6710
CODEN: PNASA6; ISSN: 0027-8424
PB National Academy of Sciences
DT Journal
LA English
RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 58 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Co-expression of yeast amber suppressor tRNA^{Tyr} and tyrosyl-tRNA synthetase in Escherichia coli: possibility to expand the genetic code
SO Journal of Biochemistry (Tokyo) (1998), 124(6), 1065-1068
CODEN: JOBIAO; ISSN: 0021-924X
AN 1999:74001 CAPLUS
DN 130:262813
TI Co-expression of yeast amber suppressor tRNA^{Tyr} and tyrosyl-tRNA synthetase in Escherichia coli: possibility to expand the genetic code
AU Ohno, Satoshi; Yokogawa, Takashi; Fujii, Isao; Asahara, Haruichi; Inokuchi, Hachiro; Nishikawa, Kazuya
CS Department of Biomolecular Science, Faculty of Engineering, Gifu University, Gifu, 501-1193, Japan
SO Journal of Biochemistry (Tokyo) (1998), 124(6), 1065-1068
CODEN: JOBIAO; ISSN: 0021-924X
PB Japanese Biochemical Society
DT Journal
LA English
RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 59 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Use of site-directed chemical modification to study an essential lysine in Escherichia coli leader peptidase
SO Journal of Biological Chemistry (1997), 272(15), 9994-10003
CODEN: JBCHA3; ISSN: 0021-9258
AN 1997:257643 CAPLUS
DN 126:314122
TI Use of site-directed chemical modification to study an essential lysine in Escherichia coli leader peptidase
AU Paetzel, Mark; Strynadka, Natalie C. J.; Tschantz, William R.; Casareno, Ruby; Bullinger, Patrick R.; Dalbey, Ross E.
CS Dep. Chemistry, Ohio State Univ., Columbus, OH, 43210, USA
SO Journal of Biological Chemistry (1997), 272(15), 9994-10003
CODEN: JBCHA3; ISSN: 0021-9258
PB American Society for Biochemistry and Molecular Biology
DT Journal
LA English
RE.CNT 53 THERE ARE 53 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 60 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Physical organic chemistry in the brain
SO Pure and Applied Chemistry (1997), 69(9), 1969-1977
CODEN: PACHAS; ISSN: 0033-4545
AN 1997:673669 CAPLUS
DN 127:341900
TI Physical organic chemistry in the brain
AU Dougherty, Dennis A.

CS Division of Chemistry and Chemical Engineering, California Institute of
Technology, Pasadena, CA, 91125, USA
SO Pure and Applied Chemistry (1997), 69(9), 1969-1977
CODEN: PACHAS; ISSN: 0033-4545
PB Blackwell
DT Journal
LA English
RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 61-70 ti,so, bib L7

L7 ANSWER 61 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Comparison of straight chain and cyclic unnatural amino
acids embedded in the core of staphylococcal nuclease
SO Protein Science (1997), 6(8), 1621-1626
CODEN: PRCIEI; ISSN: 0961-8368
AN 1997:536719 CAPLUS
DN 127:231176
TI Comparison of straight chain and cyclic unnatural amino
acids embedded in the core of staphylococcal nuclease
AU Wynn, Richard; Harkins, Paul C.; Richards, Frederic M.; Fox, Robert O.
CS Department of Molecular Biophysics and Biochemistry, Yale University, New
Haven, CT, 06511, USA
SO Protein Science (1997), 6(8), 1621-1626
CODEN: PRCIEI; ISSN: 0961-8368
PB Cambridge University Press
DT Journal
LA English
RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 62 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI The adaptability of Escherichia coli thioredoxin to non-conservative amino
acid substitutions
SO Protein Science (1997), 6(6), 1325-1332
CODEN: PRCIEI; ISSN: 0961-8368
AN 1997:408658 CAPLUS
DN 127:146230
TI The adaptability of Escherichia coli thioredoxin to non-conservative amino
acid substitutions
AU O'Brien, R.; Wynn, R.; Driscoll, P. C.; Davis, B.; Plaxco, K. W.;
Sturtevant, J. M.; Ladbury, J. E.
CS Department of Biochemistry and Molecular Biology, University College
London, London, WC1E 6BT, UK
SO Protein Science (1997), 6(6), 1325-1332
CODEN: PRCIEI; ISSN: 0961-8368
PB Cambridge University Press
DT Journal
LA English

L7 ANSWER 63 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Synthetic, structural and biological studies of the ubiquitin system:
synthesis and crystal structure of an analog containing unnatural
amino acids
SO Biochemical Journal (1997), 323(3), 727-734
CODEN: BIJOAK; ISSN: 0264-6021
AN 1997:315670 CAPLUS
DN 127:30588
TI Synthetic, structural and biological studies of the ubiquitin system:
synthesis and crystal structure of an analog containing unnatural
amino acids

AU Love, Steven G.; Muir, Tom W.; Ramage, Robert; Shaw, Kevin T.; Alexeev, Dmitriy; Sawyer, Lindsay; Kelly, Sharon M.; Price, Nicholas C.; Arnold, Jane E.; Mee, Maureen P.; Mayer, R. John
CS Dep. of Chemistry, University of Edinburgh, Edinburgh, EH9 3JJ, UK
SO Biochemical Journal (1997), 323(3), 727-734
CODEN: BIJOAK; ISSN: 0264-6021
PB Portland Press
DT Journal
LA English

RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 64 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Codon recognition by artificial tRNA molecules with modified nucleosides in the anticodon
SO Nucleic Acids Symposium Series (1997), 37(Symposium on Nucleic Acids Chemistry, 1997), 117-118
CODEN: NACSD8; ISSN: 0261-3166
AN 1998:294322 CAPLUS
DN 129:50967
TI Codon recognition by artificial tRNA molecules with modified nucleosides in the anticodon
AU Satoh, Akira; Takai, Kazuyuki; Yokoyama, Shigeyuki; Takaku, Hiroshi
CS Dep. Ind. Chem., Chiba Inst. Technol., Narashino, 275, Japan
SO Nucleic Acids Symposium Series (1997), 37(Symposium on Nucleic Acids Chemistry, 1997), 117-118
CODEN: NACSD8; ISSN: 0261-3166
PB Oxford University Press
DT Journal
LA English

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 65 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Free energy simulation of the thermostability of a mutant T4 lysozyme with an unnatural amino acid.
SO Book of Abstracts, 214th ACS National Meeting, Las Vegas, NV, September 7-11 (1997), COMP-002 Publisher: American Chemical Society, Washington, D. C.
CODEN: 64RNAO
AN 1997:486709 CAPLUS
TI Free energy simulation of the thermostability of a mutant T4 lysozyme with an unnatural amino acid.
AU Wang, Lu; Kollman, Peter A.
CS Department Pharmaceutical Chemistry, University California, San Francisco, CA, 94143, USA
SO Book of Abstracts, 214th ACS National Meeting, Las Vegas, NV, September 7-11 (1997), COMP-002 Publisher: American Chemical Society, Washington, D. C.
CODEN: 64RNAO
DT Conference; Meeting Abstract
LA English

L7 ANSWER 66 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI An engineered Tetrahymena tRNA^{Gln} for in vivo incorporation of unnatural amino acids into proteins by nonsense suppression
SO Journal of Biological Chemistry (1996), 271(38), 23169-23175
CODEN: JBCHA3; ISSN: 0021-9258
AN 1996:584302 CAPLUS
DN 125:266703
TI An engineered Tetrahymena tRNA^{Gln} for in vivo incorporation of unnatural amino acids into proteins

by nonsense suppression

AU Saks, Margaret E.; Sampson, Jeffrey R.; Nowak, Mark W.; Kearney, Patrick C.; Du, Fangyong; Abelson, John N.; Lester, Henry A.; Dougherty, Dennis A.
CS Div. Biology, California Inst. Technology, Pasadena, CA, 91125, USA
SO Journal of Biological Chemistry (1996), 271(38), 23169-23175
CODEN: JBCHA3; ISSN: 0021-9258
PB American Society for Biochemistry and Molecular Biology
DT Journal
LA English

L7 ANSWER 67 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Site-Specific Protein Modification Using a Ketone Handle
SO Journal of the American Chemical Society (1996), 118(34), 8150-8151
CODEN: JACSAT; ISSN: 0002-7863
AN 1996:479410 CAPLUS
DN 125:162654
TI Site-Specific Protein Modification Using a Ketone Handle
AU Cornish, Virginia W.; Hahn, Klaus M.; Schultz, Peter G.
CS Department of Chemistry, University of California, Berkeley, CA, 94720, USA
SO Journal of the American Chemical Society (1996), 118(34), 8150-8151
CODEN: JACSAT; ISSN: 0002-7863
PB American Chemical Society
DT Journal
LA English

L7 ANSWER 68 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Conversion of cysteinyl residues to unnatural amino acid analogs. Examination in a model system
SO Journal of Protein Chemistry (1996), 15(8), 737-742
CODEN: JPCHD2; ISSN: 0277-8033
AN 1997:42771 CAPLUS
DN 126:171854
TI Conversion of cysteinyl residues to unnatural amino acid analogs. Examination in a model system
AU Schindler, John F.; Viola, Ronald E.
CS Dep. Chem., Univ. Akron, Akron, OH, 44325-3601, USA
SO Journal of Protein Chemistry (1996), 15(8), 737-742
CODEN: JPCHD2; ISSN: 0277-8033
PB Plenum
DT Journal
LA English

RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT.

L7 ANSWER 69 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Identification of efficient pentapeptide substrates for the tyrosine kinase pp60c-src
SO Journal of Medicinal Chemistry (1995), 38(21), 4276-83
CODEN: JMCMAR; ISSN: 0022-2623
AN 1995:826907 CAPLUS
DN 123:249864
TI Identification of efficient pentapeptide substrates for the tyrosine kinase pp60c-src
AU Nair, Shrikumar A.; Kim, Moon H.; Warren, Stephen D.; Choi, Sun; Songyang, Zhou; Cantley, Lewis C.; Hangauer, David G.
CS School of Pharmacy, State University of New York, Buffalo, NY, 14260-1200, USA
SO Journal of Medicinal Chemistry (1995), 38(21), 4276-83
CODEN: JMCMAR; ISSN: 0022-2623
PB American Chemical Society

DT Journal
LA English

L7 ANSWER 70 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Relaxing the substrate specificity of an aminoacyl-tRNA synthetase allows
in vitro and in vivo synthesis of proteins containing
unnatural amino acids
SO FEBS Letters (1995), 364(3), 272-5
CODEN: FEBLAL; ISSN: 0014-5793
AN 1995:641403 CAPLUS
DN 123:77492
TI Relaxing the substrate specificity of an aminoacyl-tRNA synthetase allows
in vitro and in vivo synthesis of proteins containing
unnatural amino acids
AU Ibba, Michael; Hennecke, Hauke
CS Mikrobiologisches Institut, Eidgenoessische Technische Hochschule, ETH
Zentrum, Schmelzbergstrasse 7, Zurich, CH-8092, Switz.
SO FEBS Letters (1995), 364(3), 272-5
CODEN: FEBLAL; ISSN: 0014-5793
PB Elsevier
DT Journal
LA English

=> d 71-80 ti,so, bib L7

L7 ANSWER 71 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Analogs of parathyroid hormone
SO PCT Int. Appl., 87 pp.
CODEN: PIXXD2
AN 1994:500694 CAPLUS
DN 121:100694
TI Analogs of parathyroid hormone
IN Bauer, Wilfried; Breckenridge, Robin; Cardinaux, Francois; Gombert, Frank;
Gram, Hermann; Ramage, Paul; Schneider, Helmut; Waelchli, Rudolf; Albert,
Rainer; Lewis, Ian
PA Sandoz-Erfindungen Verwaltungsgesellschaft M.B.H., Austria;
Sandoz-Patent-GmbH; Sandoz Ltd.
SO PCT Int. Appl., 87 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 9402510	A2	19940203	WO 1993-EP1749	19930706
	WO 9402510	A3	19940526		
	W: AT, CH, CZ, DE, FI, HU, NO, PL, RU, SK				
	RW: BE, DK, ES, FR, GR, IE, IT, LU, MC, NL, PT, SE				
AU	9341566	A	19940120	AU 1993-41566	19930629
AU	672790	B2	19961017		
DE	4393381	T0	19950427	DE 1993-4393381	19930706
EP	672057	A1	19950920	EP 1993-915814	19930706
EP	672057	B1	20000920		
	R: BE, DK, ES, FR, GR, IE, IT, LU, NL, PT, SE				
HU	70459	A2	19951030	HU 1995-115	19930706
CH	688195	A5	19970613	CH 1994-784	19930706
RU	2130945	C1	19990527	RU 1994-46405	19930706
CZ	286889	B6	20000712	CZ 1995-88	19930706
PL	179733	B1	20001031	PL 1993-306556	19930706
ES	2150948	T3	20001216	ES 1993-915814	19930706
AT	9309039	A	20010115	AT 1993-9039	19930706
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	PT 672057	T	20010228	PT 1993-915814	19930706
	SK 283485	B6	20030805	SK 1995-43	19930706
	GB 2269176	A	19940202	GB 1993-14384	19930712
	GB 2269176	B	19970108		
	CA 2100423	A1	19940116	CA 1993-2100423	19930713
	CA 2100423	C	20050614		
	IL 106326	A	19970930	IL 1993-106326	19930713
	JP 06184198	A	19940705	JP 1993-174163	19930714
	JP 3164463	B2	20010508		
	CN 1099801	A	19950308	CN 1993-116483	19930714
	CN 1051769	B	20000426		
	ZA 9305126	A	19950116	ZA 1993-5126	19930715
	TW 383310	B	20000301	TW 1993-82105666	19930716
	NO 9500123	A	19950315	NO 1995-123	19950112
	NO 319448	B1	20050815		
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OS	MARPAT 121:100694				
L7	ANSWER 72 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN				
TI	The Merck Frosst Award Lecture 1994/1a conference Merck Frosst 1994:				
	calmodulin: a versatile calcium mediator protein				
SO	Biochemistry and Cell Biology (1994), 72(9 & 10), 357-76				
	CODEN: BCBIEQ; ISSN: 0829-8211				
AN	1995:477390 CAPLUS				
DN	122:258760				
TI	The Merck Frosst Award Lecture 1994/1a conference Merck Frosst 1994:				
	calmodulin: a versatile calcium mediator protein				
AU	Vogel, Hans J.				
CS	Dep. Biological Sciences, Univ. Calgary, Calgary, AB, T2N 1N4, Can.				
SO	Biochemistry and Cell Biology (1994), 72(9 & 10), 357-76				
	CODEN: BCBIEQ; ISSN: 0829-8211				
PB	National Research Council of Canada				
DT	Journal; General Review				
LA	English				
L7	ANSWER 73 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN				
TI	Chimeric toxins binding to the GnRH receptor				
SO	PCT Int. Appl., 54 pp.				
	CODEN: PIXXD2				
AN	1994:23543 CAPLUS				
DN	120:23543				
TI	Chimeric toxins binding to the GnRH receptor				
IN	Lombardo, Victoria K.; Tolman, Richard L.; Marburg, Stephen				
PA	Merck and Co., Inc., USA, USA				
SO	PCT Int. Appl., 54 pp.				
	CODEN: PIXXD2				
DT	Patent				

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9315751	A1	19930819	WO 1993-US1263	19930212
	W: AU, BB, BG, BR, CA, CZ, FI, HU, JP, KR, LK, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SK, UA, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, SN, TD, TG				
	AU 9336652	A	19930903	AU 1993-36652	19930212
	ZA 9300988	A	19930920	ZA 1993-988	19930212
PRAI	US 1992-836031	A2	19920214		
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OS	MARPAT 120:23543				

L7 ANSWER 74 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN

TI Unnatural amino acid packing mutants of
Escherichia coli thioredoxin produced by combined mutagenesis/chemical
modification techniques

SO Protein Science (1993), 2(3), 395-403

CODEN: PRCIEI; ISSN: 0961-8368

AN 1993:467150 CAPLUS

DN 119:67150

TI Unnatural amino acid packing mutants of
Escherichia coli thioredoxin produced by combined mutagenesis/chemical
modification techniques

AU Wynn, R.; Richards, F. M.

CS Dep. Mol. Biophys. Biochem., Yale Univ., New Haven, CT, 06511, USA

SO Protein Science (1993), 2(3), 395-403

CODEN: PRCIEI; ISSN: 0961-8368

DT Journal

LA English

L7 ANSWER 75 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN

TI Functional modification of protein by substitution
with nonnatural amino acids

SO Kagaku (Kyoto, Japan) (1992), 47(9), 637

CODEN: KAKYAU; ISSN: 0451-1964

AN 1992:607540 CAPLUS

DN 117:207540

TI Functional modification of protein by substitution
with nonnatural amino acids

AU Hohsaka, Takahiro; Sisido, Masahiko

CS Res. Lab. Resour. Util., Tokyo Inst. Technol., Yokohama, 227, Japan

SO Kagaku (Kyoto, Japan) (1992), 47(9), 637

CODEN: KAKYAU; ISSN: 0451-1964

DT Journal; General Review

LA Japanese

L7 ANSWER 76 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN

TI Total synthesis of horse heart cytochrome c

SO Biochemical and Biophysical Research Communications (1992), 183(1), 258-64

CODEN: BBRC9A; ISSN: 0006-291X

AN 1992:174688 CAPLUS

DN 116:174688

TI Total synthesis of horse heart cytochrome c

AU Di Bello, Carlo; Vita, Claudio; Gozzini, Luigia

CS Inst. Ind. Chem., Univ. Padua, Padua, Italy

SO Biochemical and Biophysical Research Communications (1992), 183(1), 258-64

CODEN: BBRC9A; ISSN: 0006-291X

DT Journal; General Review

LA English

L7 ANSWER 77 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
 TI Site-specific incorporation of novel backbone structures into proteins
 SO Science (Washington, DC, United States) (1992), 255(5041), 197-200
 CODEN: SCIEAS; ISSN: 0036-8075
 AN 1992:123435 CAPLUS
 DN 116:123435
 TI Site-specific incorporation of novel backbone structures into proteins
 AU Ellman, Jonathan A.; Mendel, David; Schultz, Peter G.
 CS Dep. Chem., Univ. California, Berkeley, CA, 94720, USA
 SO Science (Washington, DC, United States) (1992), 255(5041), 197-200
 CODEN: SCIEAS; ISSN: 0036-8075
 DT Journal
 LA English

L7 ANSWER 78 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
 TI Accurate evaluation method of the polymer content in monomethoxy(polyethylene glycol) modified proteins based on amino acid analysis
 SO Applied Biochemistry and Biotechnology (1991), 31(3), 213-22
 CODEN: ABIBDL; ISSN: 0273-2289
 AN 1992:169599 CAPLUS
 DN 116:169599
 TI Accurate evaluation method of the polymer content in monomethoxy(polyethylene glycol) modified proteins based on amino acid analysis
 AU Sartore, Luciana; Caliceti, Paolo; Schiavon, Oddone; Monfardini, Cristina; Veronese, Francesco M.
 CS Cent. Stud. Chim. Farm. Prod. Biologicamente Attivi, Univ. Padova, Padua, 351000, Italy
 SO Applied Biochemistry and Biotechnology (1991), 31(3), 213-22
 CODEN: ABIBDL; ISSN: 0273-2289
 DT Journal
 LA English

L7 ANSWER 79 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
 TI Method for site-specifically incorporating unnatural amino acids into proteins
 SO PCT Int. Appl., 67 pp.
 CODEN: PIXXD2
 AN 1991:576728 CAPLUS
 DN 115:176728
 TI Method for site-specifically incorporating unnatural amino acids into proteins
 IN Schultz, Peter
 PA University of California, Oakland, USA
 SO PCT Int. Appl., 67 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 4

See claims, esp claims 12-15

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9005785	A1	19900531	WO 1989-US5256	19891115
	W: AU, DK, FI, JP, KR, SU				
	RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
	AU 9047412	A	19900612	AU 1990-47412	19891115
	AU 649217	B2	19940519		
	EP 446299	A1	19910918	EP 1990-901230	19891115
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	JP 04504651	T	19920820	JP 1990-501284	19891115

PRAI US 1988-273455 A 19881118
US 1989-337601 A 19890413
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L7 ANSWER 80 OF 80 CAPLUS COPYRIGHT 2007 ACS on STN
TI Amino acid racemization in alkali-treated food proteins -
chemistry, toxicology, and nutritional consequences
SO ACS Symposium Series (1980), 123(Chem. Deterior. Proteins), 165-94
CODEN: ACSMC8; ISSN: 0097-6156
AN 1980:424745 CAPLUS
DN 93:24745
TI Amino acid racemization in alkali-treated food proteins -
chemistry, toxicology, and nutritional consequences
AU Masters, Patricia M.; Friedman, Mendel
CS Scripps Inst. Oceanogr., Univ. California, La Jolla, CA, 92093, USA
SO ACS Symposium Series (1980), 123(Chem. Deterior. Proteins), 165-94
CODEN: ACSMC8; ISSN: 0097-6156
DT Journal
LA English
